CLAIMS

1. An arrangement for adjusting the seat back inclination of a seat, which is characterised in that it comprises the following elements:

a a sensor system (A) for ascertaining a length distance resulting form the loading of a seat surface (B) between the zero value, with a non-loaded seat, the maximum value with the seat loading by a very heavy person and corresponding intermediate values in dependence on the individual weight of the respective user of the seat, furthermore

b a transfer means (C) for transmitting the respectively ascertained length distance

c to a resilient element (D) which is reversibly variable in respect of volume so that its compressibility and expandability transmits the transmitted distance changes to

d at least two clamping jaws (14) or functionally identical counterpart elements between which the resilient element is situated in the clamping gap (E) and which are directly or indirectly connected to components which represent the seat back inclination, and

e a resilient support element (G) for safeguarding free mobility of the resilient element (D) during the zero loading in accordance with (B) as a prestressing.

2. An arrangement as set forth in claim 1 characterised in that the sensor system in accordance with a is a weighing arrangement (11, 12, 13).

3. An arrangement as set forth in claim 1 characterised in that the sensor system in accordance with a is a hydraulic element, the transfer means in accordance with b is a hose in combination with a piston element which moves the resilient element between the clamping jaws (14).

4. An arrangement as set forth in claims 1 and 3 characterised in that the sensor system has a pneumatic element instead of the hydraulic element.

5. An arrangement as set forth in claims 3 and 4 characterised in that the hydraulic or pneumatic element is an air or liquid container.

6. An arrangement as set forth in claim 1 characterised in that the transfer means in accordance with b comprises stiff mechanical parts (6) and (8).

7. An arrangement as set forth in claim 6 characterised in that the distance movements are converted in directionally related fashion by means of the mechanical parts.

8. A resilient element as set forth in claim 1 characterised in that it is only partially engaged and compressed by the clamping jaws and in dependence on the distance movements the surface to be compressed and thus the energy storage means volume is reduced or increased.

9. A resilient element as set forth in claims 1 and 8 characterised in that it is only partially engaged and compressed by the clamping jaws and in dependence on the distance movements as required elastomer material of differing density is disposed in the region engaged by the clamping jaws.

10. A resilient element as set forth in claims 1, 8 and 9 characterised in that the uses as set forth in claims 8 and 9 can be combined.

11. A resilient element (D) as set forth in claims 1, 8, 9 and 10 characterised in that it is situated in a flat shape, in a regular angular shape, in a wedge-shaped configuration, between the clamping jaws (14).

12. A resilient element as set forth in claim 1 characterised in that it comprises closed-cell polyurethane integral foam.